



Desktop

Latest Information from the NRL Labwide ADP Program and the NRL Systems Support Team

<http://ccs-www.nrl.navy.mil/code5595>

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NRL Lab-wide Software

The Lab-wide ADP Program acquires computer software on a laboratory-wide basis in order to save researchers time and money. The table in the right column lists the current lab-wide software, most of which is available **free** to NRL personnel. Contracts 16, 17, 18 and 19 are for volume discount licenses, meaning that you will have to pay out of pocket for the software products. However, by going through the Lab-wide ADP Program you will still get the software faster and at a better price.

The table lists each software contract and a brief description of the software products available. For an on-line listing, see the Code 5595 web page (<http://ccs-www.nrl.navy.mil/code5595>) and follow the link **Site Licenses**. This will take you to the form page.

To submit a request via the web for Lab-wide software, click on any of the software links on the (above) web page. If you select a product with a \$ in the description, you will be linked to a web page with pricing details. Next enter your name, code, and email address. When you submit the request, you will be given downloading instructions.

Typically the Lab-wide contract is for a large, but limited, number of copies of the software product. Therefore, availability may be limited for some software at times. The point of contact for NRL Lab-wide software is *Beverly Bryant*, phone (202) 767-1401. The Lab-wide ADP program is administered by Code 5595. ■

	<i>Lab-wide Software</i>	<i>Software Description</i>
1.	NCAR Graphics Software	UNIX (contact David Bressan on 767-3886)
2.	Open Software Foundation	Lab-wide membership
3.	Graphic Converter	image file conversion on Mac
4.	Norton Antivirus, SAM	virus scanner for Win 3.1, 95 & NT, Mac
5.	Eudora Pro	email software on PC or Mac
6.	Exodus	X-server for Windows or Mac
7.	Mac OS8	Mac operating system
8.	MacTCP software	(included with new Mac OS)
9.	MacSLIP software	(included with new Mac OS)
10.	Netscape	web browser
11.	WinQvt/Net	TCP/IP services for Windows
12.	Fetch	Mac FTP utility
13.	McAfee Virus Protector	virus scanner for Win 3.1, 95, NT, OS2, Mac
14.	WinZip	file compression / uncompression for windows
15.	Co-Xist software	X implementation for NEXTSTEP
16.	Microsoft (multiple products)	microsoft products for pc, Mac
17.	Norton Utilities	disk management for Win 95
18.	MathCad	numeric and calculation visualization tool
19.	Jetform Formflow Filler	for NRL forms (pending)

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software is
Beverly Bryant,
phone
(202) 767-1401.*

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via e-mail:
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Online UNIX Software Repository

Any UNIX workstation at NRL that has an AFS client installed has access to the online UNIX Software Repository. This is an AFS file server cell (**depot.nrl.navy.mil**) which contains over four dozen popular software packages listed in the center column in executable format for common UNIX platforms. Executables, associated libraries, and man pages for the project software are available for the following operating systems:

- SunOS
- Sun Solaris
- SGI Irix
- IBM AIX RS6000
- HP/UX
- Digital UNIX

All that researchers are required to do is put the AFS directory

/afs/depot.nrl.navy.mil/@sys/bin

in their *path* variable in order to access the software. The corresponding man pages are similarly available by adding

/afs/depot.nrl.navy.mil/@sys/man

to the *manpath* variable. Not only is storage space saved, but also the time involved in installing and maintaining large software systems.

The following list of available software is broken down into two categories, public domain and licensed software. Licensed software is restricted to hosts in the nrl.navy.mil internet domain (including Monterey and Stennis). For information about specific packages, use your web browser to visit our web page at <http://ccs-www.nrl.navy.mil/code5595/online-software>.

Public Domain Packages

- | | |
|---------------|--------------------|
| • Autoconf | • Make |
| • Bash | • MH |
| • Bison | • Mosaic |
| • BLT | • MPEG_play |
| • DejaGNU | • Netpbm |
| • dvipsk | • Oleo |
| • Emacs | • patch |
| • Expect | • Perl5 |
| • encrypt | • PGPlot |
| • flex | • Pine |
| • gawk | • RCS |
| • GCC | • sdr |
| • GDB | • SDSC Image Tools |
| • Gnuplot | • tar |
| • Ghostscript | • Tcl/Tk |
| • Ghostview | • TeX |
| • groff | • Texinfo |
| • gzip | • tin |
| • HDF | • TkApps |
| • Ispell | • UnZip |
| • Knews | • VAT |
| • less | • VIC |
| • lynx | • xdvik |
| • m4 | • X11 R5 |

Licensed Packages

- AFS Client Binaries
- Netscape
- PGP
- XV

If you have any problems with software in the online UNIX software repository, please send e-mail to **syssupport@nrl.navy.mil**. UNIX software archives, newsgroups, and publications are monitored for software packages of interest to the NRL community. Suggestions for additional software that you would like to see made available are encouraged.

The online UNIX software repository is maintained by the NRL Systems Support staff of the CCS (Code 5590). The selection of AFS was made to ensure that the project software is stored on a fast, reliable, and secure file system. If your UNIX platform does not have an AFS client installed, our staff will install it for you; or we will provide you with step by step instructions for you, or your system administrator, to do the installation. Since we have obtained an AFS site license, no cost is incurred by the user. ■

*For information about specific packages,
use your browser to visit our web page at:*

<http://ccs-www.nrl.navy.mil/code5595/online-software>

Lab-wide ADP Program Group

The Lab-Wide ADP Program Group, Code 5595, was established to investigate, analyze, and develop Naval Research Laboratory-wide contracts for informational systems and services. These contracts are available to the entire NRL community and offer centralized administration, cost savings, time savings (in government personnel and response to requests), convenience and flexibility. The Lab-wide hardware and software maintenance and support services contracts offer monthly and/or per-call maintenance for a large variety of computer equipment and software located within the Directorates of NRL. The table below displays the current status of the Lab-wide efforts.

	Lab-wide Effort	Purpose	Contract Monitor	Coverage
1.	DEC/VAX Maintenance	repair of DEC/VAX hardware and software (monthly and per call, up to 50% discount from GSA)	<i>Pat Kramer</i>	all NRL, US & overseas
2.	PC/Mac Hardware Maintenance	repair of PC/Mac hardware (per call, parts and labor \$43.10/hr.)	<i>Wally Spencer</i>	Overlook Ave. & CBD bring to Overlook
3.	Generic Workstation Maintenance	repair of IBM, HP, Tektronix, NEXT, other workstations, add-ons, and software maintenance (monthly and percall, 2% discount from GSA)	<i>Wally Spencer</i>	Overlook Ave. & Stennis, MS
4.	Fore Maintenance (ATM)	maintenance for FORE systems (ATM)	<i>Beverly Bryant</i>	all NRL, remote & temp. sites
5.	Silicon Graphics Maintenance	repair of SGI hardware and Software maintenance (monthly and per call, 45% discount from GSA)	<i>Beverly Bryant</i>	Overlook Ave., Patuxent Rive, Stennis
6.	Sun Workstation Maintenance	repair of Sun, hardware and software (monthly and per call, 35% discount from GSA)	<i>Beverly Bryant</i>	Overlook Ave.
7.	TGV Multinet Maintenance	purchase and yearly maintenance of TGV Multinet (Purchase is 25% discount, Maintenance 10%)	<i>Beverly Bryant</i>	Overlook Ave.
8.	Generic Printer, Terminals and Tektronix Equipment	Repair of all printers, terminals, and Tektronix hardware (percall maintenance)	<i>Beverly Bryant</i>	Overlook Ave.
9.	Systems Support	analyst services for open systems and networking (long/short term or intermittent)	<i>Beverly Bryant</i>	all NRL, Midway Research Ctr., Quantico, VA.
10.	Networking Systems Acquisition	purchase / maintenance/services for networking / ATM equipment	<i>Wally Spencer</i>	all NRL
11.	Information Technology Acquisition	purchase of Information technology equipment (non-integration contract)	<i>Pat Kramer</i>	all NRL
12.	Software Site Licensing	purchase of software packaged products lab-wide	<i>Beverly Bryant</i>	all NRL & VA.

Contract Monitors can be reached via phone (202) 767-1400.

System Support Services

The Information Technology Division's Center for Computational Science (CCS, Code 5590) provides the Navy with access to high performance computing and communications capabilities and production computational services. The Systems Support Services Section (Code 5595) of the CCS provides a variety of support services for all divisions of NRL.

In the PC arena, Systems Support provides lab-wide email resources, including lab-wide distribution lists and a DEC alpha workstation which is a POP server for PC/Mac email applications. The section is supporting Windows NT and Novell local area networking with administration services. Systems Support is providing consulting for personal computers and is planning to offer seven Microsoft-related courses in the near future.

In the UNIX world, Systems Support provides workstation consulting and configures systems for access to the net. UNIX training is provided via six courses starting with an introduction to UNIX and including courses on internetworking, java, and perl. The section also maintains a UNIX online software repository which provides software to NRL systems via AFS.

Systems Support provides complete on-site system administration services. Systems covered include UNIX, NT, Novell, Macintosh and others.

On the world wide web, Systems Support provides web development, support, and server resources. The section also offers courses in web publishing and CGI programming (perl).

All CCS systems are protected by Kerberos security software and the section will begin providing Kerberos for NRL desktop systems in the near future. For more information on Systems Support, see the web page at <http://ccs-www.nrl.navy.mil/code 5595>. ■

nrlfs1 POP Mail Service to be Discontinued

On 1 May 1998, the electronic mail POP software on **nrlfs1.nrl.navy.mil** will be disabled. Users currently using **nrlfs1** as their mail server will need to convert to another server. We have identified all users on **nrlfs1** who use the system as a mail server and these users now have an account on CCSALPHA2 (**ccs.nrl.navy.mil** or **ccf.nrl.navy.mil**) with the same username as on **nrlfs1**.

For continuity of mail service, we will set up a forwarding file that will go into effect on 1 May. The forwarding will send mail addressed to:

username@nrlfs1.nrl.navy.mil

to your new mail server and at the same time send a message to the sender indicating that your address has changed and give the new address. This return message will only be sent once for each new sender. Subsequent messages from the same sender will forward to the new address without any return information.

To continue your email service you will need to do the following as applicable:

1. If you have already moved to another server (CCSALPHA2 included), no response is necessary. You will, however, need to check your entry in the NRL Locator to make sure that it lists your new address. Give your new address to your Administrative Officer for inclusion in the NRL Locator. Do *NOT* use **name@nrl.navy.mil** for the NRL Locator but use the address that includes your machine name.
2. If you wish to move to CCSALPHA2 (**ccs.nrl.navy.mil**), please respond via email to **moore@ccs.nrl.navy.mil** and give a phone number. We will set up the changes and notify you by phone. We will also help you with the changes to your email software.
3. Once you start to use CCSALPHA2 as your email server, give this address,

username@ccs.nrl.navy.mil

to your Administrative Officer so that the new address can be entered in the NRL Locator.

For information or assistance contact *Doryce Moore*, **moore@ccs.nrl.navy.mil**, 767-5853. ■

